



FIG. 1

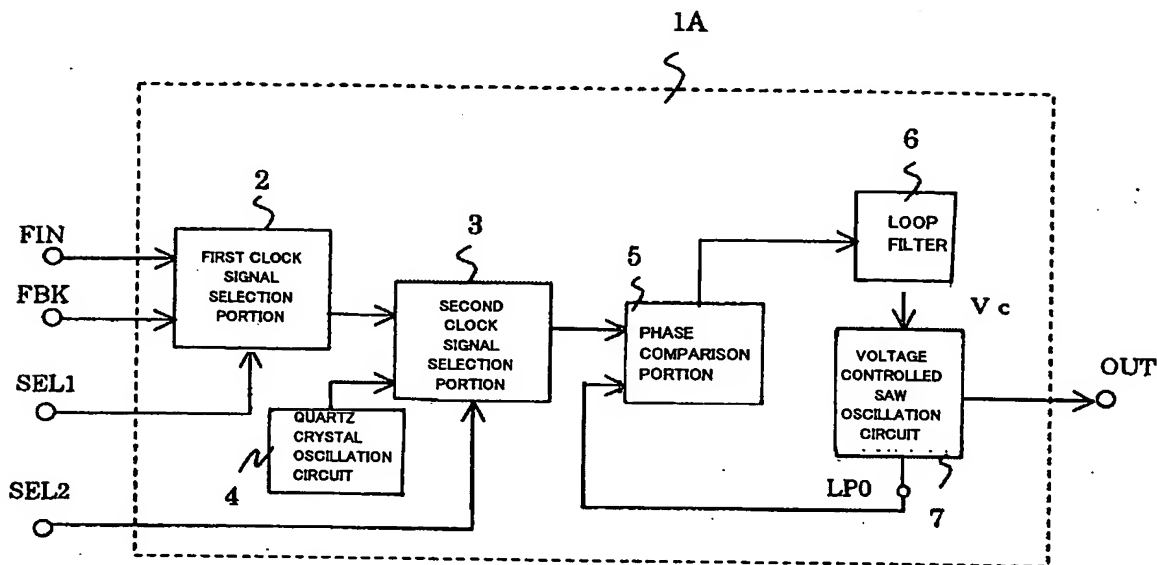
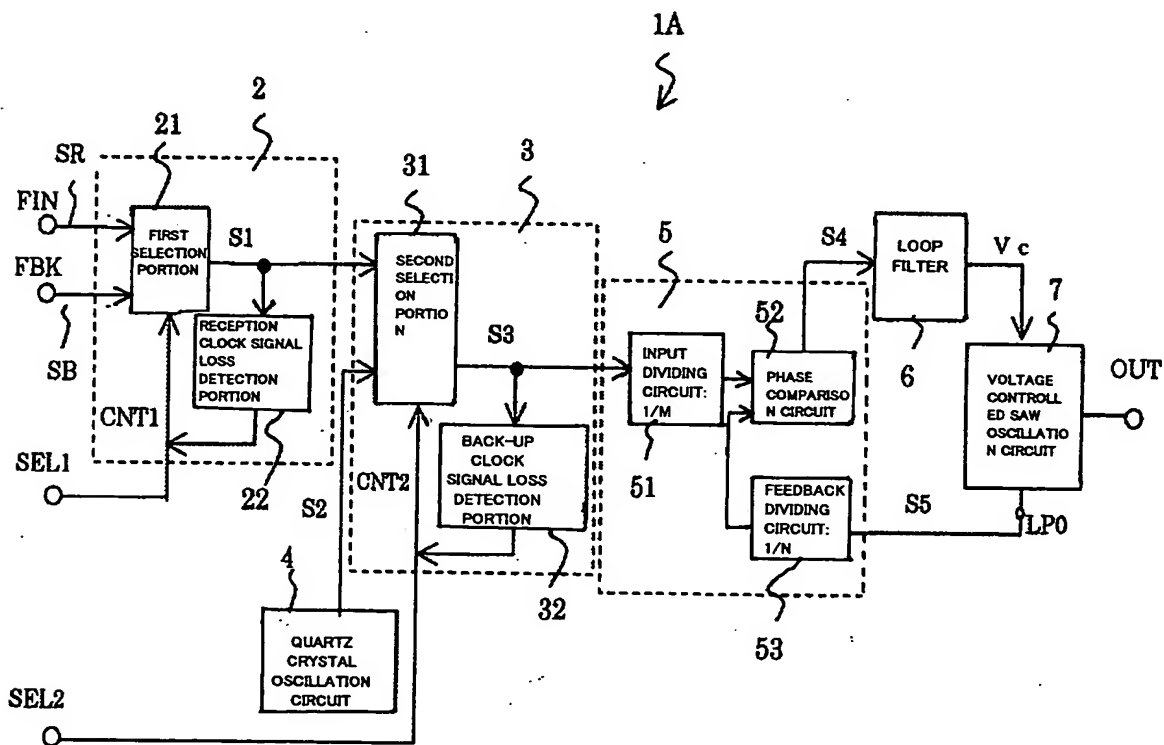


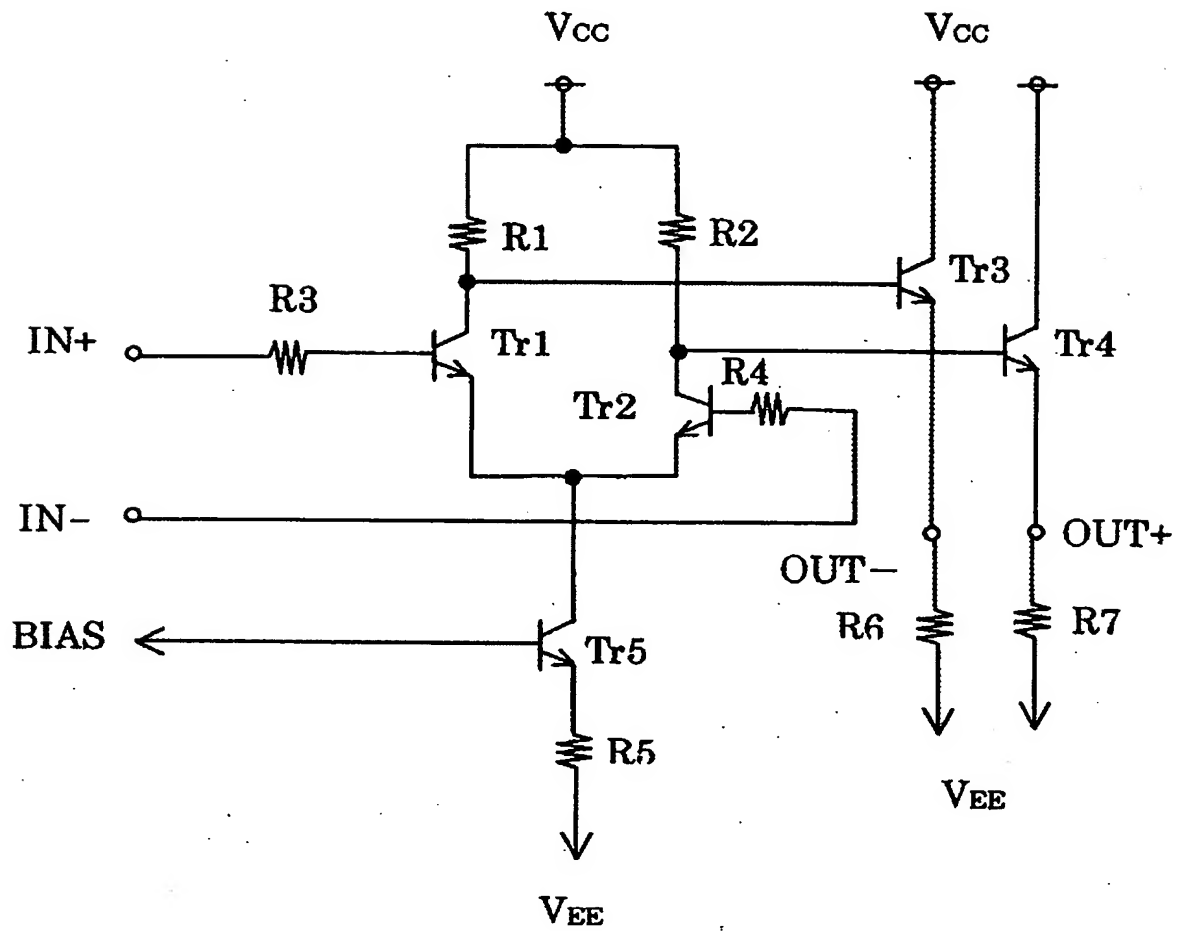
FIG. 2



The diagram illustrates a SAW resonator-based phase shifter circuit. A SAW resonator (X) is connected to a voltage-controlled phase-shift circuit (74) and a matching network (Zd). The phase-shift circuit is controlled by Vt and Vc. The matching network is connected to a differential amplifier (IC1) consisting of two op-amp stages (71, 72) and a feedback loop (73). The output of the phase shifter is connected to a load (LPo) via a switch (S5). The circuit is powered by VBB.

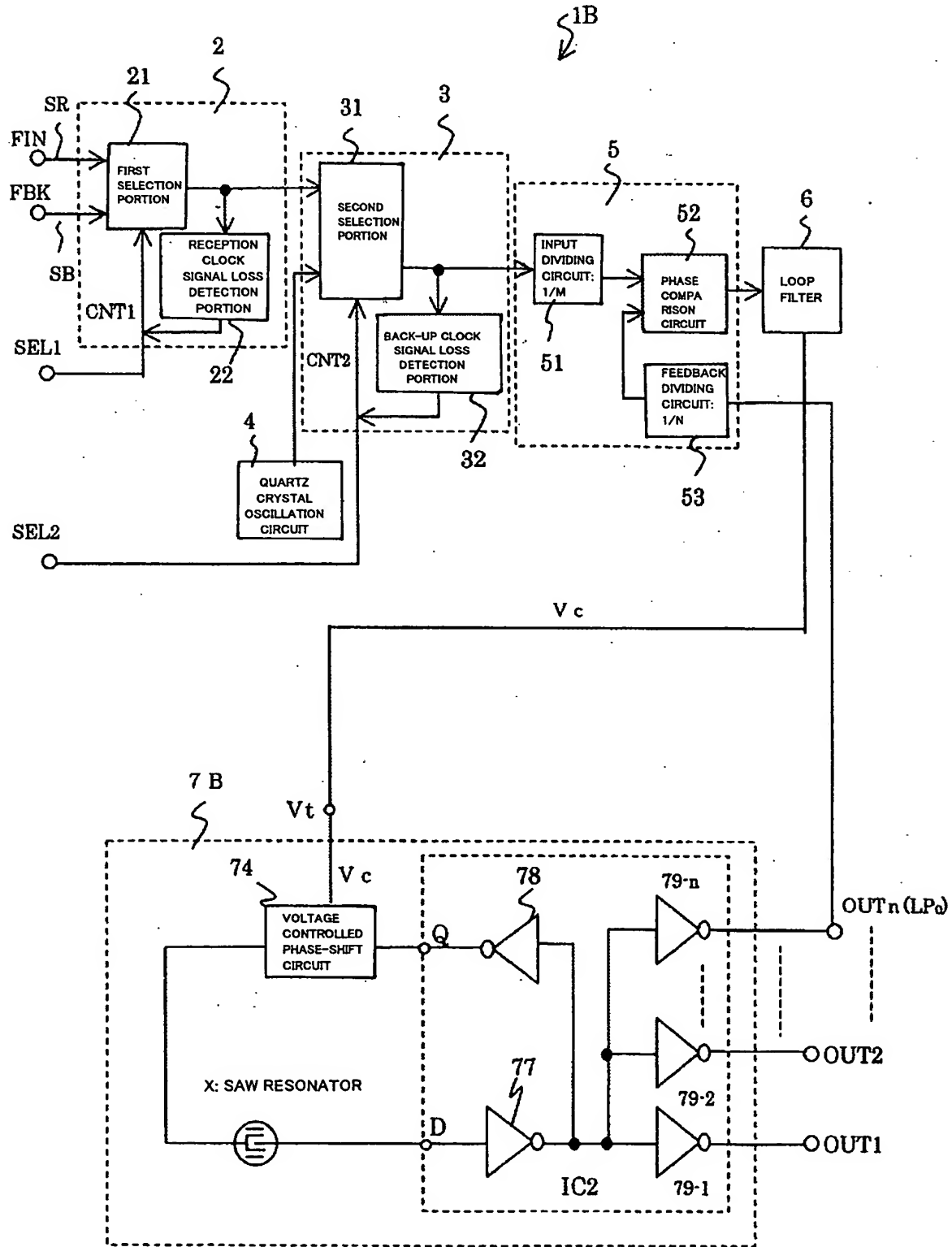
3/8

FIG. 4



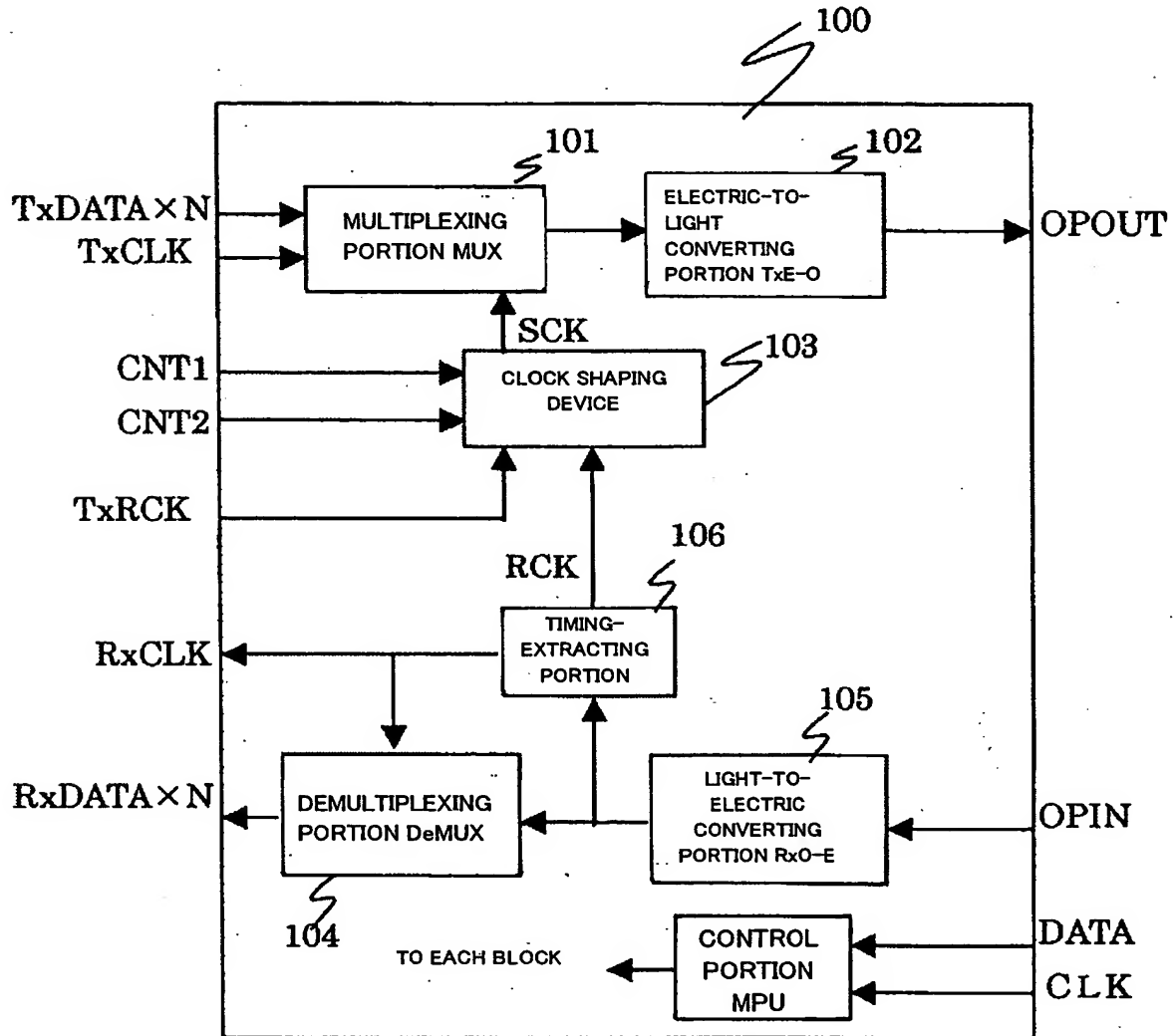
4/8

FIG. 5



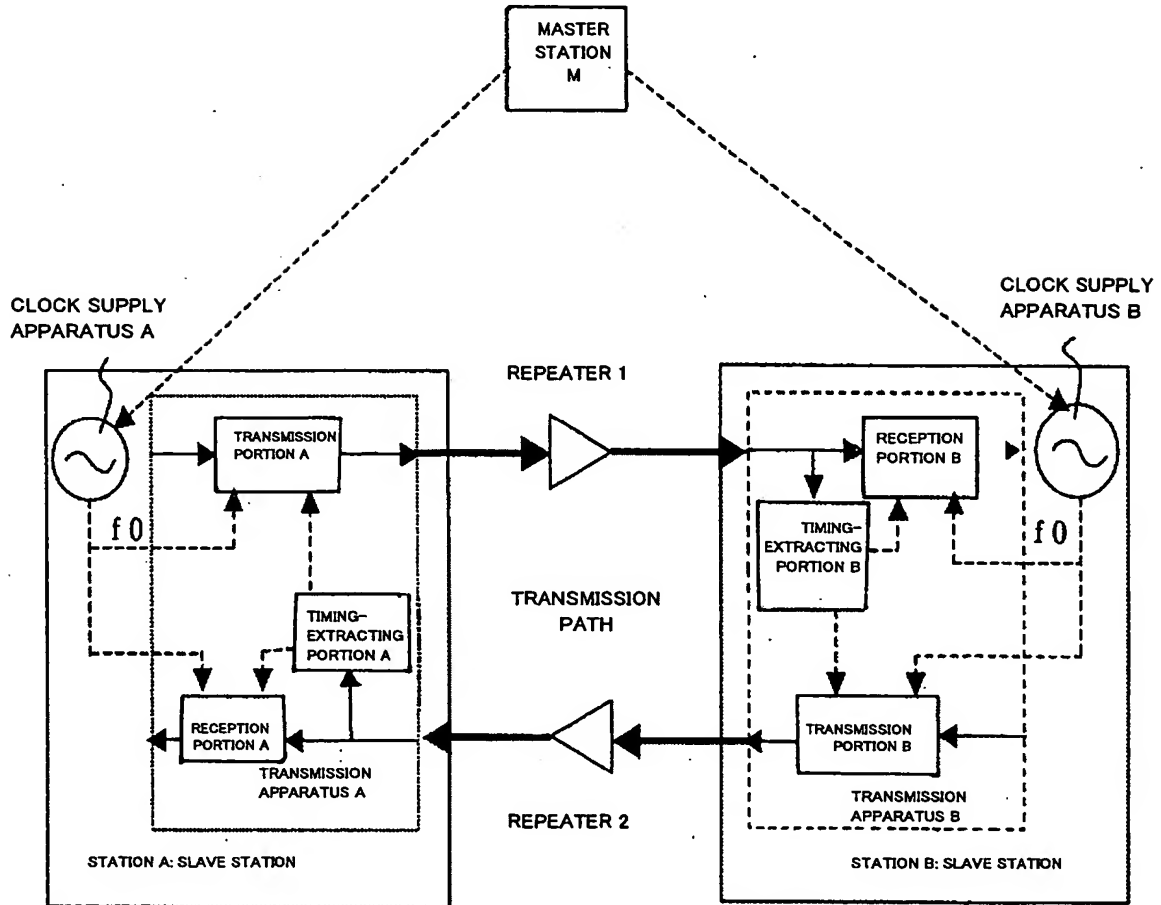
5/8

FIG. 6



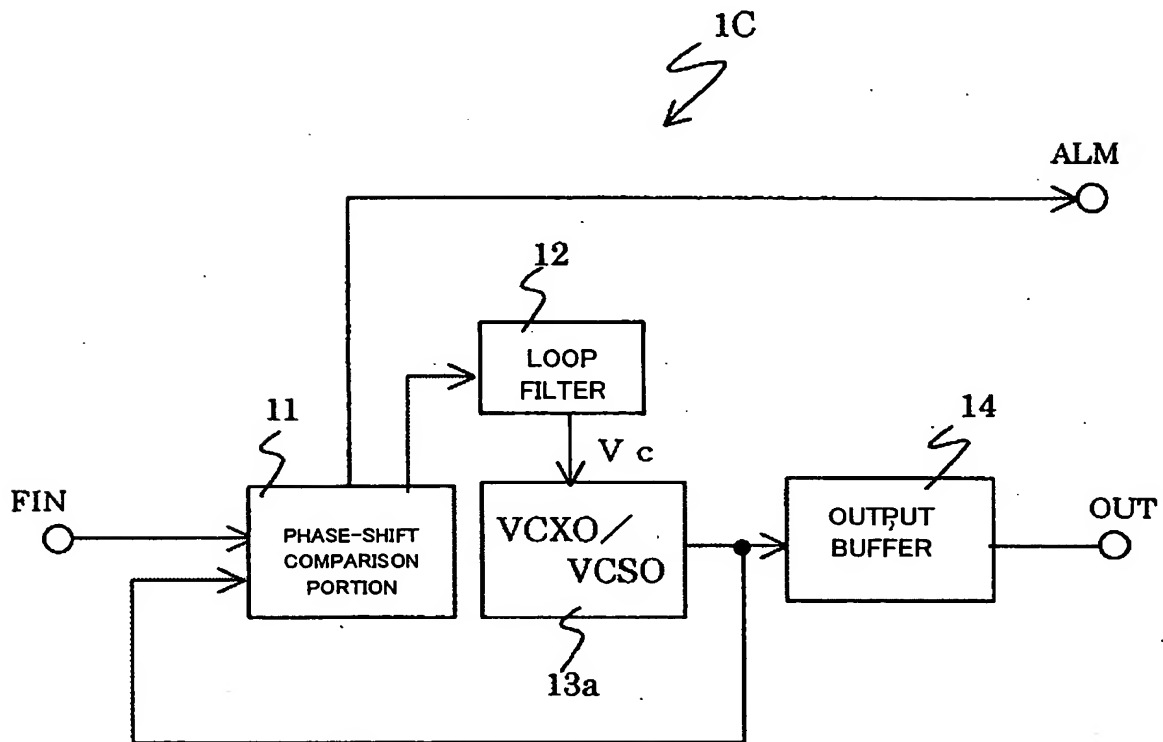
6/8

FIG. 7



7/8

FIG. 8



8/8

FIG. 9

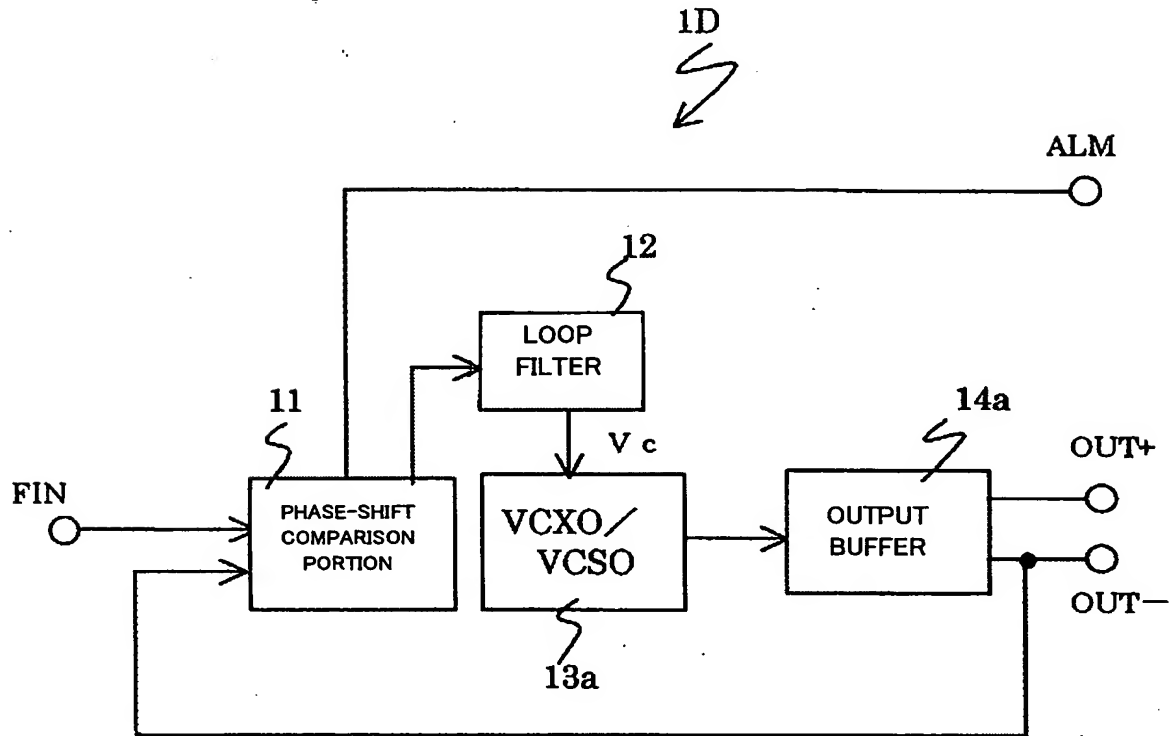


FIG. 10

